DOCUMENT RESUME

ED 479 739 EF 006 380

TITLE Space Profiles and Capacity Worksheets for Schools.

Elementary Schools, Middle Schools, High Schools.

INSTITUTION North Carolina State Board of Education, Raleigh.

PUB DATE 2000-00-00

NOTE 16p.

AVAILABLE FROM Public Schools of North Carolina, State Board of Education,

Department of Public Instruction, Division of School Support-School Planning, 6322 Mail Service Center, Raleigh, NC 27699-

6322. Web site: http://www.schoolclearinghouse.org.

PUB TYPE Guides - General (050)

EDRS PRICE EDRS Price MF01/PC01 Plus Postage.

DESCRIPTORS *Classroom Design; *Educational Facilities Planning;

Elementary Secondary Education; *Interior Space; Public Schools; School Buildings; *Space Utilization; Worksheets

IDENTIFIERS North Carolina

ABSTRACT

This collection of worksheets includes typical space profiles for North Carolina's preK-12 schools, offering: number of students, core capacity, special education, media center, food service, physical education, academic and arts education classrooms, resource rooms, other teaching stations, administration, auditorium/theater, service/marketing education, vocational education laboratories, and miscellaneous. There are also elementary, middle, and high school capacity worksheets and a school capacity summary sheet. (SM)



Space Profiles and Capacity Worksheets for **Schools**

Elementary Schools Middle Schools **High Schools**

1998-2000

Public Schools of North Carolina State Board of Education Department of Public Instruction

Division of School Support - School Planning 6322 Mail Service Center Raleigh, NC 27699-6322

http://www.schoolclearinghouse.org/pubs/DSPPubs.htm

U.S. DEPARTMENT OF EDUCATION fice of Educational Research and Improvement EDICATIONAL RESOURCES INFORMATION CENTER (ERIC)
This document has been reproduced as received from the person or organization

- Minor changes have been made to improve reproduction quality.
- Points of view or opinions stated in this document do not necessarily represent official OERI position or policy.

PERMISSION TO REPRODUCE AND DISSEMINATE THIS MATERIAL HAS BEEN GRANTED BY

F. Bradburn

TO THE EDUCATIONAL RESOURCES INFORMATION CENTER (ERIC)



14-Jan-00

18 Students/Classroom Pre-K

23 Students/Classroom K-3

26 Students/Classroom 4-5

| Number of students | 350 | | 500 | | 600 | | 720 | | 870 |] |
|-------------------------|----------|---------|----------|---------|----------|---------|----------|---------|----------|---------|
| Core capacity | 350 | | 600 | | 720 | | 870_ | | 870 | |
| Special Education (S/C) | 1 | | 1 | | 1 | | 2 | | 2 | l |
| Dance/Drama clrms | 0 | 1 | 0 | | 0 | | 0 | | 1 | I |
| Pre-kindergarten clrms. | 1 | | 2 | | 2 | | 3 | | 3 | 1 |
| | | | | | | | | | | 1 |
| K-5 Teaching Stations | 15 | | 21 | | 25 | Ī | 30 | | 36 | |
| | # spaces | Sq. Ft. |
| Classrooms: | | | | | | | | | | Ī |
| K Clrms @ 1200 | 3 | 3600 | 4 | 4800 | 4 | 4800 | 5 | 6000 | 6 | 7200 |
| 1-3 Clrms @ 1000 | 8 | 8000 | 11 | 11000 | 13 | 13000 | 16 | 16000 | 19 | 19000 |
| 4-5 Clrms @ 850 | 4 | 3400 | 6 | 5100 | 8 | 6800 | 9 | 7650 | 11 | 9350 |
| Pre-K Clrms @ 1200 | 1 | 1200 | 2 | 2400 | 2 | 2400 | 3 | 3600 | 3 | 3600 |
| Art | 0 | 0 | 1 | 1200 | 1 | 1200 | 1 | 1200 | 1 | 1200 |
| Music | 0 | 0 | 1 | 1000 | 1 | 1000 | 1 | 1000 | 1 | 1000 |
| Dance/Drama | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2000 |
| Computer rms @ 850 | 1 | 850 | 1 | 850 | 1 | 850 | 1 | 850 | 2 | 1700 |
| Art/Project room | 1 | 1200 | 0 | 0 | 0 | 0 | 1 | 1200 | 1 | 1200 |
| Resource rms @ 450 | 3 | 1350 | 4 | 1800 | 5 | 2250 | 6 | 2700 | 7 | 3150 |
| Spec ed S/C @1200 | 1 | 1200 | 1 | 1200 | 1 | 1200 | 2 | 2400 | 2 | 2400 |
| sub-total | | 20800 | : | 29350 | | 33500 | | 42600 | | 51800 |
| Media Center | | | | | | | | | | |
| Media RLV (sf/stu & sf) | 5.8095 | 2033 | 4.857 | 2914 | 4.3998 | 3168 | 4 | 3480 | 4 | 3480 |
| Support spaces | | 1200 | | 1200 | | 1200 | | 1200 | | 1200 |
| sub-total | | 3233 | | 4114 | | 4368 | | 4680 | | 4680 |
| Food Service | | | | | | | | | | |
| Dining | | 1800 | | 2400 | | 2880 | | 3480 | | 3480 |
| Kitchen | | 1261 | | 1518 | | 1938 | | 2208 | | 2208 |
| Serving | | 400 | | 620 | : | 620 | | 620 | | 620 |
| sub-total | | 3461 | | 4538 | | 5438 | | 6308 | | 6308 |
| Physical Education | | | | | | | | | | |
| Multipurpose | | 3600 | | 3600 | | 4080 | | 4680 | | 4680 |
| Stage | | 600 | | 600 | | 600 | | 600 | | 600 |
| Storage/Office | | 450 | | 450 | | 450 | | 450 | | 450 |
| sub-total | | 4650 | | 4650 | | 5130 | | 5730 | = | 5730 |
| | | | | | | | | | | |



| Number of students | 350 | | 500 | | 600 | | 720 | | 870 | |
|---|----------|---------|----------|---------|----------|---------|----------|---------|----------|---------|
| | # spaces | Sq. Ft. |
| Administration,Misc. | | | | | | | | | | |
| Principal | | 200 | | 200 | | 200 | | 200 | | 200 |
| Asst Princ @150 | 0 | 0 | 1 | 150 | 1 | 150 | 2 | 300 | 2 | 300 |
| Secty/reception | | 400 | | 400 | | 400 | | 400 | | 400 |
| Sims | | 120 | | 120 | | 120 | | 120 | | 120 |
| Health | | 120 | | 200 | | 200 | | 200 | | 200 |
| Office work room | | 200 | | 200 | | 200 | | 200 | | 200 |
| Conference | | 200 | | 200 | | 200 | | 200 | | 200 |
| Records | | 100 | | 100 | | 100 | | 100 | | 100 |
| Office storage | | 100 | | 100 | | 100 | | 100 | | 100 |
| Guidance room | | 300 | | 300 | | 300 | | 300 | | 300 |
| Off/testing @ 150 | 0 | 0 | 1 | 150 | 2 | 300 | 2 | 300 | 2 | 300 |
| Other student serv | | 150 | | 150 | | 150 | | 150 | | 150 |
| Teacher wkrm | | 300 | | 450 | | 450 | | 600 | | 600 |
| Teacher Ige(s) | | 300 | | 450 | | 450 | | 600 | | 600 |
| Itin teacher off | 2 | 200 | 3 | 300 | 4 | 400 | 5 | 500 | 5 | 500 |
| Book storage | | 675 | | 800 | | 860 | | 935 | | 935 |
| General storage | | 775 | | 900 | | 960 | | 1035 | | 1035 |
| sub-total | | 4140 | | 5170 | | 5540 | | 6240 | | 6240 |
| TOTAL | | 36284 | | 47822 | | 53976 | | 65558 | | 74758 |
| Walls, toilets, circ, mech (net to gross) | | 12699 | | 16738 | | 18892 | | 22945 | | 26165 |
| GRAND TOTAL | | 48983 | | 64560 | | 72868 | | 88503 | | 100923 |
| Total Capacity | | 385 | | 547 | | 645 | | 791 | | 935 |
| Sq.Ft./Student | | 127 | | 118 | | 113 | | 112 | | 108 |

School Planning, N.C.D.P.I., jl

ELEMENTARY SCHOOL PRE-K - 5



18 Students/Classroom Pre-K

23 Students/Classroom K-3

26 Students/Classroom 4-5

September 1998

| Number of students | 350 | | 500 | | 600 | | 720 | | 870 | |
|-------------------------|----------|---------|----------|---------|----------|---------------|----------|----------|----------|---------|
| Core capacity | 350 | | 600 | | 720 | | 870 | | 870 | |
| Special Education (S/C) | 1 | | 1 | | 1 | _ | 2 | | 2 | |
| Dance/Drama cirms | o | | 0 | | 0 | | 0 | | 1 | |
| Pre-kindergarten clrms. | 0 | | 0 | | 0 | | 0 | | 0 | |
| January January | | | | | | | | | | |
| K-5 Teaching Stations | 15 | | 21 | | 25 | | 30 | | 36 | |
| | # | ۲۰ ۲۰ | # | ۲۰ ۲۰ | # spaces | ۶ <u>م</u> ۲۰ | # spaces | Sa E+ | # spaces | Sq. Ft. |
| Classrooms: | # spaces | Sq. Ft. | # spaces | 5q. rt. | # spaces | 3q. Ft. | # spaces | <u> </u> | # spaces | 3q. Ft. |
| K Clrms @ 1200 | 3 | 3,600 | 4 | 4,800 | 4 | 4,800 | 5 | 6,000 | 6 | 7,200 |
| 1-3 Clrms @ 1000 | 8 | 8,000 | 11 | 11,000 | | 13,000 | | 16,000 | 19 | 19,000 |
| 4-5 Clrms @ 850 | 4 | 3,400 | | 5,100 | • | 6,800 | 9 | 7,650 | 11 | 9,350 |
| Pre-K Clrms @ 1200 | 0 | 0,400 | 0 | 0,100 | 0 | 0,000 | 0 | 0 | 0 | 0 |
| Art | 0 | 0 | 1 | 1,200 | | 1,200 | 1 | 1,200 | 1 | 1,200 |
| Music | 0 | 0 | 1 | 1,000 | Ì | 1,000 | 1 | 1,000 | 1 | 1,000 |
| Dance/Drama | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2,000 |
| Computer rms @ 850 | 1 | 850 | 1 | 850 | 1 | 850 | 1 | 850 | 2 | 1,700 |
| Art/Project room | 1 | 1,200 | 0 | 0 | 0 | 0 | 1 | 1,200 | 1 | 1,200 |
| Resource rms @ 450 | 3 | 1,350 | 4 | 1,800 | 5 | 2,250 | 6 | 2,700 | 7 | 3,150 |
| Spec ed S/C @1200 | 1 | 1,200 | 1 | 1,200 | 1 | 1,200 | 2 | 2,400 | 2 | 2,400 |
| sub-total | | 19,600 | | 26,950 | | 31,100 | | 39,000 | | 48,200 |
| Media Center | | | | | | : | | | | |
| Media RLV (sf/stu & sf) | 5.8095 | 2,033 | 4.857 | 2,914 | 4.3998 | 3,168 | 4 | 3,480 | 4 | 3,480 |
| Support spaces | | 1,200 | | 1,200 | | 1,200 | | 1,200 | | 1,200 |
| sub-total | | 3,233 | | 4,114 | | 4,368 | | 4,680 | | 4,680 |
| Food Service | : | | | | | | | | | |
| Dining | : | 1,800 | | 2,400 | | 2,880 | | 3,480 | | 3,480 |
| Kitchen | | 1,261 | į | 1,518 | | 1,938 | | 2,208 | | 2,208 |
| Serving | | 400 | | 620 | | 620 | | 620 | | 620 |
| sub-total | | 3,461 | | 4,538 | | 5,438 | | 6,308 | | 6,308 |
| Physical Education | ! | | | | | | | | | |
| Multipurpose | | 3,600 | | 3,600 | | 4,080 | | 4,680 | | 4,680 |
| Stage | | 600 | | 600 | | 600 | | 600 | | 600 |
| Storage/Office | | 450 | | 450 | | 450 | | 450 | | 450 |
| sub-total | | 4,650 | | 4,650 | | 5,130 | | 5,730 | | 5,730 |
| | l | | _ | | | | | | | |



| Number of students | 350 | | 500 | | 600 | _ | 720 | | 870 | |
|-----------------------------|----------|---------|----------|---------|----------|---------|----------|---------|----------|---------|
| | # spaces | Sq. Ft. |
| Administration,Misc. | | | | | | | | | | |
| Principal | | 200 | | 200 | | 200 | | 200 | | 200 |
| Asst Princ @150 | 0 | 0 | 1 | 150 | 1 | 150 | 2 | 300 | 2 | 300 |
| Secty/reception | | 400 | | 400 | | 400 | | 400 | | 400 |
| Sims | | 120 | | 120 | | 120 | | 120 | | 120 |
| Health | | 120 | | 200 | | 200 | | 200 | | 200 |
| Office work room | | 200 | | 200 | | 200 | | 200 | | 200 |
| Conference | | 200 | • | 200 | | 200 | | 200 | | 200 |
| Records | | 100 | | 100 | | 100 | | 100 | | 100 |
| Office storage | | 100 | | 100 | | 100 | | 100 | | 100 |
| Guidance room | | 300 | | 300 | | 300 | | 300 | | 300 |
| Off/testing @ 150 | 0 | o | 1 | 150 | 2 | 300 | 2 | 300 | 2 | 300 |
| Other student serv | | 150 | | 150 | | 150 | | 150 | | 150 |
| Teacher wkrm | | 300 | | 450 | | 450 | | 600 | | 600 |
| Teacher Ige(s) | | 300 | | 450 | | 450 | | 600 | | 600 |
| Itin teacher off | 2 | 200 | 3 | 300 | 4 | 400 | 5 | 500 | 5 | 500 |
| Book storage | | 675 | | 800 | | 860 | | 935 | | 935 |
| General storage | | 775 | | 900 | | 960 | | 1,035 | | 1,035 |
| sub-total | | 4,140 | | 5,170 | | 5,540 | | 6,240 | | 6,240 |
| TOTAL | | 35,084 | | 45,422 | | 51,576 | | 61,958 | | 71,158 |
| Walls, toilets, circ, mech. | | 12,279 | | 15,898 | | 18,052 | | 21,685 | | 24,905 |
| (net to gross) | | | | | | | | | | |
| GRAND TOTAL | | 47,363 | | 61,320 | | 69,628 | | 83,643 | | 96,063 |
| Total Capacity | | 367 | | 511 | | 609 | | 737 | | 881 |
| Sq.Ft./Student | | 129 | | 120 | | 114 | | 113 | | 109 |

School Planning, N.C.D.P.I., jl

ELEMENTARY SCHOOL K-5



TYPICAL SPACE PROFILE ELEMENTARY SCHOOL K-8 Students/Class Pre-K 18 Students/Class K-3 23 Students/Class 4-8 26

September 1998

| No. of attendants (V. 9) | 400 | | 600 | | 800 | |
|---------------------------------------|---------|---------|----------|-------------|---------|---------|
| Number of students (K-8) | 600 | | 800 | | 1000 | |
| Core capacity Special Education (S/C) | 1 | | 1 | | 1 | _ |
| Dance/Drama classrooms | 1 | | 1 | | 1 | |
| Pre-Kindergarten cirms. | 1 | | 1 | | 1 | |
| Pre-Kindergarten ciirris. | • | | • | | • | |
| K-8 Teaching Stations (core) | 17 | | 25 | | 33 | |
| | #spaces | Sq. Ft. | #spaces_ | Sq. Ft. | #spaces | Sq. Ft. |
| Core Classrooms | | | | | | |
| Pre-K Classrooms @ 1400 | 1 | 1,400 | 1 | 1,400 | 1 | 1,400 |
| K Classrooms @ 1200 | 2 | 2,400 | 3 | 3,600 | 4 | 4,800 |
| 1-3 Classrooms @ 1000 | 6 | 6,000 | 9 | 9,000 | 12 | 12,000 |
| 4-8 Classrooms @ 850 | 7 | 5,950 | 10 | 8,500 | 14 | 11,900 |
| 5-8 Science clrms. @ 1000 | 2 | 2,000 | 3 | 3,000 | 3 | 3,000 |
| Other Teaching Stations | | | | | | |
| Art | 1 | 1,200 | 1 | 1,200 | 1 | 1,200 |
| Music | 1 | 1,200 | 1 | 1,200 | 1 | 1,200 |
| Dance/Drama | 1 | 2,000 | 1 | 2,000 | 1 | 2,000 |
| Computer rooms @ 850 | 1 | 850 | 1 | 850 | 2 | 1,700 |
| Vocal music | 0 | 0 | 0 | 0 | 1 | 1,000 |
| Prevocational labs | 2 | 2,800 | 3 | 4,200 | 3 | 4,200 |
| Special education S/C @1200 | 1 | 1,200 | 1 | 1,200 | 1 | 1,200 |
| Resource rooms @ 450 | 3 | 1,350 | 5 | 2,250 | 7 | 3,150 |
| sub-total | | 27,000 | | 36,150 | | 45,600 |
| Media Center | | | | | | |
| Media RLV (sf/student & total sf) | 5.5005 | 3.300 | 4.8345 | 3,868 | 4.1685 | 4,169 |
| Support spaces | 0.0000 | 1,600 | | 1,600 | | 1,600 |
| sub-total | | 4,900 | | 5,468 | | 5,769 |
| | | | | | | |
| Food Service | | | | | _ | |
| Dining (#serv & sf) | 3 | 2,400 | 3 | 3,200 | 3 | 4,000 |
| Kitchen | | 1,518 | | 1,938 | | 2,208 |
| Serving (# lines & total sf) | 2 | 620 | 2 | 620 | 2 | 620 |
| sub-total | | 4,538 | | 5,758 | | 6,828 |

Page 1

BEST COPY AVAILABLE



| Number of students (K-8) | 400 | | 600 | | 800 | |
|---------------------------------------|---------|---------|---------|---------|---------|---------|
| į | #spaces | Sq. Ft. | #spaces | Sq. Ft. | #spaces | Sq. Ft. |
| Physical Education | | | | | | |
| Gymtorium | | 8,500 | | 10,000 | | 10,000 |
| Storage/Office | | 450 | | 450 | | 450 |
| sub-total | | 8,950 | | 10,450 | | 10,450 |
| Administration,Misc. | | | | | | |
| Principal | | 200 | | 200 | | 200 |
| Assistant Principal @150 | 1 | 150 | 1 | 150 | 2 | 300 |
| Secretary/reception | | 400 | | 400 | | 400 |
| Sims | | 120 | | 120 | | 120 |
| Health | | 200 | | 200 | | 200 |
| Office work room | | 200 | | 200 | | 200 |
| Conference | | 200 | | 200 | | 200 |
| Records | | 100 | | 100 | | 100 |
| Office storage | | 100 | | 100 | | 100 |
| Guidance room | | 300 | | 300 | | 300 |
| Office/testing @ 150 | 1 | 150 | 2 | 300 | 2 | 300 |
| Other student services | | 150 | | 150 | | 150 |
| Teacher workroom | | 450 | | 600 | | 600 |
| Teacher lounge(s) | | 450 | | 600 | | 600 |
| . Itinerant teacher offices | 3 | 300 | 4 | 400 | 6 | 600 |
| Book storage | | 800 | | 900 | | 1,000 |
| General storage | | 900 | | 1,000 | | 1,100 |
| sub-total | | 5,170 | | 5,920 | | 6,470 |
| TOTAL | | 50,558 | | 63,746 | | 75,117 |
| Walls, toilets, circ, mech (net to gr | oss) | 18,201 | | 22,949 | | 27,042 |
| GRAND TOTAL | | 68,759 | | 86,695 | | 102,159 |
| Sq.Ft./Student | | 154 | | 135 | | 122 |
| Optimal capacity | _ | 446 | | 642 | | 838 |

School Planning, N.C.D.P.I., jl

ELEMENTARY SCHOOL K-8



TYPICAL SPACE PROFILES

MIDDLE SCHOOL (6-8)

26 Students/Classroom

September 1998

| Number of students | 400 | | 550 | | 650 | _ | 800 | | 950 | |
|--------------------------|----------|-----------|----------|---------|----------|----------|----------|--------------|----------|--------------|
| Core capacity | 400 | | 650 | | 800 | | 950 | | 950 | |
| Special Education (S/C) | 1 | | 1 | | 1 | | 2 | | 2 |] |
| Dance/Drama classroom | 1 | | 1 | | 1 | | 2 | | 2 | |
| Classrooms/grade | 5 | | 7 | | 8 | | 10 | | 12 | |
| Teaching Stations (core) | 15 | | 21 | | 24 | | 30 | | 36 | |
| | # spaces | Sq. Ft. | # spaces | Sa. Ft. | # spaces | Sq. Ft. | # spaces | Sq. Ft. | # spaces | Sq. Ft. |
| Classrooms: | оросоо | - 4 | | | | | | | | |
| Sixth grade | | | | | | | | | | |
| Math/sci @ 950 | 0 | 0 | 1 | 950 | 0 | 0 | 1 | 950 | 0 | _0 |
| La/ss/math @ 850 | 4 | 3400 | 5 | 4250 | 6 | 5100 | 7 | 5950 | 9 | 7650 |
| Science @ 1100 | 1 | 1100 | 1 | 1100 | 2 | 2200 | 2 | 2200 | 3 | 3300 |
| Seventh grade | | | | | | | | | | |
| Math/sci @ 1000 | 0 | ol | 1 | 1000 | 0 | 0 | 1 | 1000 | 0 | 0 |
| La/ss/math @ 850 | 4 | 3400 | 5 | 4250 | 6 | 5100 | 7 | 5950 | 9 | 7650 |
| Science @ 1100 | 1 | 1100 | 1 | 1100 | 2 | 2200 | 2 | 2200 | 3 | 3300 |
| Eighth grade | | | | | | | | | | |
| Math/sci @ 1000 | 0 | 0 | 1 | 1000 | 0 | 0 | 1 | 1000 | 0 | ol |
| La/ss/math @850 | 4 | 3400 | 5 | 4250 | 6 | 5100 | 7 | 5950 | 9 | 7650 |
| Science @ 1100 | 1 1 | 1100 | 1 | 1100 | 2 | 2200 | 2 | 2200 | 3 | 3300 |
| | , | , , , , , | , | | _ | | | | | |
| Arts/Computer | | | | | _ | | | 4.00 | _ | 4.00 |
| Art (w/200sf stor) | 1 | 1200 | 1 | 1400 | 1 | 1400 | 1 | 1400 | 1 | 1400 |
| Instr music (w/stor) | 0 | 0 | 1 | 1600 | 1 | 1600 | 1 | 1600 | 1 | 1600 |
| Vocal Music | 0 | 0 | 1 | 1000 | 1 | 1000 | 1 | 1000 | 1 | 1000 |
| Dance/Drama(w/2_sto) | 1 | 2000 | 1 | 2000 | 1 | 2000 | 2 | 4000 1700 | 2 | 4000 1700 |
| Computer rooms @ 850 | 1 | 850 | 1 | 850 | 1 0 | 850 0 | 2 0 | 1700 | 0 | 1700 |
| Music @ 1200 (+stor) | 1 | 1500 | 0 | 0 | U | U | U | U | U | ٩ |
| Small Grp/Except | | | | | | | | | _ | |
| Resource rooms @ 450 | 3 | 1350 | 4 | 1800 | 5 | 2250 | 6 | 2700 | 7 | 3150 |
| Spec ed S/C @1200 | 1 | 1200 | 1 | 1200 | 1 | 1200 | 2 | 2400 | 2 | 2400 |
| vocational | | | | | | | | | | ŀ |
| Keyboarding lab | comp rm | 0 | 1 | 1000 | 1 | 1000 | 1 | 1000 | 1 | 1000 |
| Exploratory labs | 2 | 2800 | 3 | 4200 | 3 | 4200 | 4 | 5600 | 4 | 5600 |
| sub-total | | 24400 | | 34050 | | 3/400 | | 48800 | | 54/00 |
| Media Center | | | | | | | | | | |
| Media RLV (sf/stu & sf) | 6 | 2400 | 5.334 | 3467 | 4.835 | 3868 | 4.335 | 4118 | 4.335 | 4118 |
| Support spaces | | 1500 | | 1800 | | 1800 | | 1800 | | 1800 |
| sub-total | | 3900 | | 5267 | | 5668 | | 5918 | _ | 5918 |
| | | | | | | | | | | Page 1 |

BEST COPY AVAILABLE



| Number of students | 400 | | 550 | | 650 | | 800 | | 950 | |
|--|----------|--|----------|---|----------|--|----------|--|----------|--|
| | # spaces | Sq. Ft. | # spaces | Sq. Ft. | # spaces | Sq. Ft. | # spaces | Sq. Ft. | # spaces | Sq. Ft. |
| Food Service Dining Kitchen Serving sub-total | 2.7 | 1800 1518 400 3718 | 3 2 | 2600 1938 620 5158 | 3 | 3200 1938 620 5/58 | 3 | 3800 2208 620 6628 | 3 | 3800 2208 620 6628 |
| Physical Education Gymtorium Auxiliary Gym Health/PE clrms. @750 sub-total | 0 1 | 8500 0 750 9250 | 0 1 | 10000 0 750 10750 | 0 2 | 10000 0 1500 11500 | 0 2 | 12000 0 1500 13500 | 0 2 | 12000 0 1500 13500 |
| Administration, Misc. Principal Asst Principal @150 Reception Secretary Sims Health Office work room Conference Records Office storage | 0 | 200 400 150 150 200 200 100 100 | 1 1 | 200 150 400 150 150 200 200 200 100 | 1 2 | 200 150 400 300 150 200 200 250 100 150 | 2 | 200 300 400 300 150 200 200 250 100 150 | 2 | 200 300 400 300 150 200 200 250 100 150 |
| Guidance room Office/testing @ 150 Other student services | 0 | 300 0 200 | 2 | 300 300 200 | 2 | 300 300 200 | 3 | 300 450 200 | 3 | 300 450 200 |
| Team office/workrooms Teacher lounge(s) | 3 | 600 300 | 3 | 1350 450 | 3 | 1350 600 | 3 | 1350 600 | 3 | 1350 600 |
| Book storage General storage Commons sub-total | | 700 800 1300 5850 | | 825 925 1488 7688 | | 900 1000 1600 8350 | | 975 1075 1713 8913 | | 975 1075 1713 8913 |
| TOTAL | | 47118 | | 62913 | | 68676 | | 83759 | | 89659 |
| Walls, toilets, circ, mech (net to gross) | | 17434 | | 23278 | | 25410 | | 30991 | | 33174 |
| GRAND TOTAL SQ.FT. | | 64,552 | | 86,191 | | 94,086 | 1 | 14,750 | | 122,833 |
| Sq.Ft./Student | | 161 | | 157 | | 145 | | 143 | | 129 |
| Total teaching stations Stu/teaching station Optimal capacity | | 21 19 400 | | 29 19 556 | | 32 20 634 | | 41 20 800 | | 47 20 956 |

School Planning, N.C.D.P.I.

MIDDLE SCHOOL (6-8)

page 2



TYPICAL SPACE PROFILE

HIGH SCHOOL (9-12)

| | | | | | | | | 10-Sep-98 |
|-------------------------|---------|-----------|---------|----------|---------|---------|---------|-----------|
| Number of students | | 600 | | 800 | | 1,200 | | 1,600 |
| Core capacity | | 600 | | 1,000 | | 1,400 | | 1,600 |
| Special Education (S/C) | | 0 | | 1 | | 2 | | 2 |
| Video Production fac. | | o | | o | | 1 | | 1 |
| Gymnasium # seats | | 600 | | 1,000 | | 1,400 | | 1,600 |
| Wrestling 1=y,0=n | | ol | | 0 | | 1 | | 1 |
| Auditorium seats | | Use Gym | | 400 | | 560 | | 640 |
| | | · | | | | 0. 5. | # | 0- 5 |
| | #spaces | Sq. Ft. | #spaces | Sq. Ft. | #spaces | Sq. Ft. | #spaces | Sq. Ft. |
| Classrooms: Academic | | İ | | , | | į | | |
| | 5 | 3,750 | 7 | 5,250 | 11 | 8,250 | 15 | 11,250 |
| English @ 750 | 2 | 1,500 | 3 | 2,250 | 4 | 3,000 | 5 | 3,750 |
| Foreign lang. @ 750 | 4 | 3,000 | 6 | 4,500 | 9 | 6,750 | 12 | 9,000 |
| Soc. studies @ 750 | 5 | 3,750 | 6 | 4,500 | 10 | 7,500 | 13 | 9,750 |
| Math @ 750 | 3 | 3,730 | U | 4,500 | 10 | 7,500 | 13 | 3,730 |
| Science: | 1 | 1,200 | 1 | 1,200 | 2 | 2,400 | 3 | 3,600 |
| Physical sci. @ 1200 | 2 | 2,400 | 2 | 2,400 | 3 | 3,600 | 4 | 4,800 |
| Biology @ 1200 | 1 | 1,500 | 1 | 1,500 | 2 | 3,000 | 3 | 4,500 |
| Chemistry @ 1500 | | 1,500 | 1 | 1,500 | 1 | 1,200 | 3 1 | 1,200 |
| Physics @ 1200 | 1 | | | i i | 1 | 1,200 | 1 | 1,200 |
| Other sci @ 1200 | 0 | 0 500 | 0 2 | 0 500 | 4 | 1,200 | 6 | 1,500 |
| Prep rooms @ 250 | 2 0 | 500 | 0 | 000 | 1 | 850 | 1 | 850 |
| M/SCI computer lab | U | ΥI | U | 23,300 | ı | 1 | 1 | 51,400 |
| sub-total | | 18,800 | | 23,300 | | 38,750 | | 51,400 |
| Arts Education | 4 | 4 400 | 4 | 4 400 | 0 | 2 000 | 2 | 2,800 |
| Visual art @1400 | 1 | 1,400 | 1 | 1,400 | 2 | 2,800 | 2 | 400 |
| Art stor/kiln | 0 | 200 | 4 | 200 | 4 | 400 | 1 | 2,200 |
| Instrumental music | 0 | 0 | 1 | 1,800 | 1 | 2,000 | 1 | |
| Ensemble/practice | | 0 | | 150 | | 300 | | 300 |
| Band uniforms | | 0 | | 300 | | 400 | | 400 |
| Instrument stor | | 0 | | 300 | | 400 | | 400 |
| String inst stor | | 0 | | 150 | | 150 | | 150 |
| Band/choral off/wkrm | | 0 | | 250 | | 250 | | 250 |
| Band stor/library | | 0 | | 150 | | 150 | | 150 |
| Vocal Music | 0 | 0 | 1 | 1,200 | 1 | 1,200 | 1 | 1,200 |
| Vocal music stor | | 0 | | 200 | 4 | 200 | 4 | 200 |
| Dance | 0 | 0 | 1 | 1,800 | 1 | 1,800 | 1 | 1,800 |
| Drama classroom | 0 | 0 | 1 | 1,800 | 1 | 1,800 | 1 | 1,800 |
| Band/chorus | 1 | 1,600 | 0 | 0 | 0 | 0 | 0 | 0 |
| Instrument stor | | 300 | | 0 | | 0 | | 0 |
| Uniform/gen stor | | 400 | | 0 | | 0 | | 0 |
| Office/workroom | | 250 | _ | 0 | _ | 0 | | 0 |
| sub-total | 2 | 4,150 | 5 | 9,700 | 6 | 11,850 | 6 | 12,050 |
| December 1 | | | | | | | | |
| Resource/Exceptional | 2 | 900 | 9 | 1,350 | E | 2,250 | £ | 2,700 |
| Resource rooms @ 450 | 2 0 | - 1 | 3 1 | 1,350 | 5 2 | 2,250 | 6 2 | 2,700 |
| Special ed. S/C @1200 | U | 0 | ı | 200 | 2 | 400 | ۷ | 400 |
| Inst. kitchen/tlts. | | 450 | | 600 | | 750 | | 750 |
| In-School susp. | | 1,350 | | 3,350 | | 5,800 | | 6,250 |
| sub-total | | 1,350 | | 3,350 | | 5,000 | | 0,230 |
| Business/Off Educ | | į | | | | ł | | |
| Typing/Keyboarding | 1 | 1,200 | 1 | 1,200 | 2 | 2,400 | 2 | 2,400 |
| Computer/applications | 1 | 1,200 | 1 | 1,200 | 1 | 1,200 | 2 | 2,400 |
| Business/office ed. | 1 | 1,000 | i | 1,000 | 1 | 1,000 | 1 | 1,000 |
| Faculty off./stor. | • | 250 | · | 250 | • | 250 | - | 250 |
| sub-total | 3 | 3,650 | 3 | 3,650 | 4 | 4,850 | 5 | 6,050 |



| Number of students | | 600 | | 800 | | 1,200 | | 1,600 |
|--------------------------------|---------|----------|-------------|---------|---------|---------------------|---------|------------------|
| _ | #spaces | Sq. Ft. | #spaces | Sq. Ft. | #spaces | Sq. Ft. | #spaces | Sq. Ft |
| Service/Marketing Educ | | | | 1 | | i | | |
| Cons/Occ Home Econ | 1 | 1,400 | 1 | 1,400 | 1 | 1,400 | 2 | 2,800 |
| Marketing | Ö | 1,,00 | ò | 1,-00 | i | 1,200 | 1 | 1,200 |
| Health Occupations | Ö | ől | ő | ől | i | 1,400 | 1 | 1,400 |
| sub-total | 1 | 1,400 | 1 | 1,400 | 3 | 4,000 | 4 | 5,400 |
| Vocational Education Labs | | | | ļ | | | | |
| (Incl Lab, Off & Storage) | | 1 | | | | ł | | |
| Heavy Equipment @ 3000 | 1 | 3,000 | 4 | 3,000 | 4 | 2 222 | • | |
| Medium Equipment @ 2500 | 1 | 2,500 | 1 | | 1 | 3,000 | 2 | 6,000 |
| Light Equipment @ 2000 | Ó | 2,300 | 1 | 2,500 | 2 | 5,000 | 2 | 5,000 |
| Communications/Misc @ 15 | 1 | 1,500 | 0 1 | | 0 | 0 | 1 | 2,000 |
| Vocational clrms @ 750 | 2 | 1,500 | | 1,500 | 2 | 3,000 | 2 | 3,000 |
| sub-total | 3 | 8,500 | 3 3 | 2,250 | 3 | 2,250 | 4 | 3,000 |
| Sub-total | 3 | 8,500 | 3 | 9,250 | 5 | 13,250 | 7 | 19,000 |
| Media Center | ^ | 0.000 | _ | | _ | | | |
| Media/RLV (sf/stud & total s | 6 | 3,600 | 5 | 5,000 | 4 | 5,600 | 4 | 6,400 |
| Admin/planning | | 225 | | 275 | | 325 | | 350 |
| Conference/sm.group | | 150 | | 200 | | 200 | | 200 |
| Equipment stor./dist. | | 225 | | 275 | | 325 | | 350 |
| Periodical stor. | | 163 | | 188 | | 213 | | 225 |
| Production | | 325 | | 375 | | 425 | | 450 |
| Workroom | | 575 | | 625 | | 675 | | 700 |
| Professional area | | 163 | | 188 | | 213 | | 225 |
| Video Production | 0 | 이 | 0 | 이 | 1 | 1,000 | 1 | 1,000 |
| Computer rooms @ 850 | 1 | 850 | 2 | 1,700 | 2 | 1,700 | 2 | 1,700 |
| sub-total | | 6,276 | | 8,826 | | 10,676 | | 11,600 |
| Food Service | | | | | | | | |
| Dining | 3 | 2,400 | 3 | 4,000 | 3 | 5,600 | 3 | 6,400 |
| Kitchen | | 1,518 | | 2,208 | | 2,880 | | 2,880 |
| Serving | 2 | 620 | 2 | 620 | 3 | 940 | 4 | 1,260 |
| sub-total | | 4,538 | | 6,828 | | 9,420 | | 10,540 |
| Physical Education | | | | | | | | |
| Main Gym (2 Tea Sta.) | 2 | 10,500 | 2 | 10,500 | 2 | 12,500 | 2 | 15,000 |
| B/G locker rms. 4@ | 800 | 3,200 | 800 | 3,200 | 1000 | 4,000 | 1000 | 4,000 |
| B/G shwrs./tlts. 2@ | 500 | 1,000 | 500 | 1,000 | 600 | 1,200 | 600 | 1,200 |
| Coach off./tlt/shwr. 2@ | 300 | 600 | 300 | 600 | 400 | 800 | 500 | 1,000 |
| Training | | 300 | | 300 | , 55 | 400 | 000 | 500 |
| Laundry | | 150 | | 150 | | 200 | | 200 |
| Equipment stor. | | 1,200 | | 1,200 | | 1,500 | | 1,500 |
| Officials shwr/lkr. | | 0 | | 0 | | 200 | | 200 |
| Lobby/cons./commons | | 1,500 | | 1,500 | | 2,000 | | 2,500 |
| Auxiliary gym | 0 | 0 | 0 | 1,000 | 1 | 6,500 | 1 | 6,500 |
| Weight room | · · | 1,600 | ŭ | 1,600 | • | 1,600 | • | 1,600 |
| Wrestling room | 0 | 0 | 0 | 1,000 | 1 | 2,000 | 1 | 2,000 |
| Health/P.E clrms. @750 | 1 | 750 | 2 | 1,500 | 2 | 1,500 | 2 | 1,500 |
| sub-total | • | 20,800 | _ | 21,550 | 2 | 34,400 | 2 | 37,700 |
| Auditorium/Theatre | | | | | | | | , [|
| Seating | 0 | o | 400 | 3,200 | 560 | 4,480 | 640 | 5,120 |
| Stage/dress/stor. | - | ŏl | | 4,000 | 000 | 4,000 | 070 | 4,000 |
| Lobby | | Ö | | 1,000 | | 1,200 | | 1,200 |
| sub-total | | ol | | 8,200 | | 9,680 | | 10,320 |
| | | <u> </u> | | 5,200 | | 9,000 HIGH SCH | | 10,320 Baga 3 |

HIGH SCHOOL (9-12)



| Number of students | | 600 | | 800 | | 1,200 | | 1,600 |
|--|---------|---------|---------|---------|---------|---------|---------|---------|
| | #spaces | Sq. Ft. |
| Administration,Misc. | | · | | | | | | |
| Principal | | 250 | | 250 | | 250 | | 250 |
| Asst Principal @150 | 1 | 150 | 2 | 300 | 3 | 450 | 4 | 600 |
| Reception | | 400 | | 500 | | 500 | | 500 |
| Secretary | 1 | 150 | 2 | 300 | 2 | 300 | 2 | 300 |
| Sims | | 200 | | 200 | | 200 | | 200 |
| Attendance | | 120 | | 120 | | 120 | | 120 |
| Health | | 200 | | 200 | | 200 | | 200 |
| Office work room | | 225 | | 275 | | 325 | | 350 |
| Conference | | 200 | | 250 | | 250 | | 250 |
| Records | | 125 | | 175 | | 225 | | 250 |
| Office stor. | | 100 | | 150 | | 150 | | 150 |
| Bookkeeping | | 120 | | 120 | | 120 | | 120 |
| Guidance | | | | | | ĺ | | |
| Sect'y./Info center | | 600 | | 800 | | 1,000 | | 1,000 |
| Conference/testing | | 200 | | 250 | | 250 | | 250 |
| Counselor office @ 150 | 2 | 300 | 3 | 450 | 5 | 750 | 5 | 750 |
| Vocational counselor | _ | 150 | | 150 | | 150 | | 150 |
| Other student services | | 200 | | 200 | | 200 | | 200 |
| Student offices | | 500 | | 700 | | 800 | | 1,000 |
| Staff Support | | | | | | ı | | |
| Teacher office/wkrms | | 600 | | 900 | | 1,350 | | 1,350 |
| Teacher lounge(s) | | 600 | | 900 | | 900 | | 900 |
| Floating/itin. offices | 4 | 400 | 7 | 700 | 9 | 900 | 11 | 1,100 |
| sub-total | | 5,790 | | 7,890 | | 9,390 | | 9,990 |
| Storage | | I | | | | | | |
| Book storage | | 800 | | 1,000 | | 1,200 | | 1,300 |
| General storage | | 900 | | 1,100 | | 1,300 | | 1,400 |
| sub-total | | 1,700 | | 2,100 | | 2,500 | | 2,700 |
| | | | | | | | | |
| TOTAL | | 76,954 | | 106,044 | | 154,566 | | 183,000 |
| Walls, toilets, circ., mech (net to gross) | | 28,473 | | 39,236 | | 57,189 | | 67,710 |
| GRAND TOTAL | | 105,427 | | 145,280 | | 211,755 | | 250,710 |
| Sq.Ft./Student | | 176 | | 182 | | 176 | | 157 |
| Total teaching stations | | 33 | | 43 | | 67 | | 85 |
| Students/teaching station | | 18 | | _ 19 | | 18 | | 19 |

School Planning, N.C.D.P.I.

HIGH SCHOOL (9-12)

page 3



| ELEMENTARY SCHOOL CAPACITY V | VORKSH | 33 | |
|--|----------|-------------|----------|
| School Name: | | | |
| | | School Code | : |
| | Stations | Station | Capacity |
| Capacity Generating Spaces: | | _ | |
| Kindergarten - Third grade classrooms: | | X 23 = | |
| Fourth - Eighth grade classrooms: | | X 26 = | |
| Self-contained exceptional children clrms: | | X 10 = | |
| Non-Capacity Spaces: | | | |
| Pre-K classrooms: | | X 0 = | 0 |
| Art classrooms: | | X 0 = | 0 |
| Music classrooms: | | X 0 = | 0 |
| Resource (Pull-Out Programs) classrooms: | | X 0 = | 0 |
| PE/Dance/Drama/Multi-purpose rooms: | | X 0 = | 0 |
| Science/Project/Computer rooms: | | X 0 = | 0 |
| TOTAL | | | |
| | | | |

| MIDDLE SCHOOL CAPACITY WORKS | HEET | | |
|---|----------|--------------|----------|
| School Name: | | | |
| | | School Code: | |
| | Stations | Station | Capacity |
| Capacity Generating Spaces: | | _ | |
| Sixth - Eighth grade classrooms: (Language Arts, Social Studies, Math or Science Only) | | X 26 = | |
| Self-contained exceptional children clrms: | | X 10 = | |
| Non-Capacity Spaces: | | | |
| Art classrooms: | | X 0 = | (|
| Band/Music classrooms: | | X 0 = | . (|
| Resource (Pull-Out Programs) classrooms: | | X 0 = | (|
| PE/Gym/Health/Multi-purpose rooms: | | X 0 = | (|
| Pre-vocational classrooms/labs: | | X 0 = | (|
| Dance/Drama Classrooms | <u> </u> | X 0 = | (|
| Computer/Project rooms: | | X 0 = | (|
| TOTAL | |] | |



| HIGH SCHOOL CAPACITY WORKSHE | | · | <u> </u> |
|---|----------|--------------|----------|
| | | School Code: | |
| Capacity Generating Spaces: | Stations | Station | Capacity |
| Academic classrooms: (Eng., For.Lang.,Soc. Studies., Math, Science) | | X 20 = | |
| Arts Education classrooms: (Visual Arts, Band, Chorus, Dance, Drama) | | X 20 = | |
| Business/Office Education Classrooms: (Typing/Keybd, Computer App., Business, etc.) | | X 20 = | |
| Main Gym (count as 2 teaching stations) | | 2 X 25 | |
| Auxillary Gym (count as 1 teaching station) | | X 25 | |
| Service/Marketing classrooms/labs: (Consumer/Health Occup.,Home Econ., Marketing) | | X 15 | |
| Vocational Education Labs: (Do not count associated classrooms) | | X 15 | |
| Self-contained exceptional children clrms: | | X 10 = | _ |
| Ion-Capacity Spaces (Not a T.S.): | | | |
| Resource (Pull-Out Programs) classrooms: | | X 0 = | (|
| In-School Susp., Extra-Curric. rooms: | | X 0 = | (|
| Weight, Wrestling rooms | | X 0 = | (|
| Classroom used with a Vocational Lab: | | X 0 = | (|
| TOTAL | | | |



| School No. | School Name: | ELEMENTARY CAPACITY | MIDDLE CAPACITY | HIGH CAPACI |
|------------|--------------|------------------------|--------------------|-------------|
| <u> </u> | | | <u> </u> | |
| | | | | |
| | | | | |
| | | | | |
| | | | - | |
| - | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| • | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | - | | - | |
| | | | - | |
| | | | | |
| | | - | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | TOTALS: | | | |
| | | | | |

BEST COPY AVAILABLE





U.S. Department of Education



Office of Educational Research and Improvement (OERI)
National Library of Education (NLE)
Educational Resources Information Center (ERIC)

NOTICE

Reproduction Basis

